

# REPLACEMENT SHEET

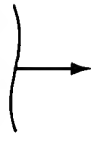
hTIR1 1	MLCTART	AGI	QGLISQ	AFACHSTH	SDP	TPGDYH	GIPIPI	PSGCLQVRH	PAUTL	DRSCS	NEGH	GH	FOVR	LCV	EE	NN	STAL	EN	TG	VC	GD	SD	SA	NV	AT	RV	119			
rTIR1 1	MLFWA	HI	QGLISQ	AFACHSTH	SDP	TPGDYH	GIPIPI	PSGCLQVRH	PAUTL	DRSCS	NEGH	GH	FOVR	LCV	EE	NN	STAL	EN	TG	VC	GD	SD	SA	NV	AT	RV	118			
hTIR2 1	MPRA	KTI	CS	IFF	ELVLAH	AE	NSD	MPED	HHGGUS	HANMGV	HNFLQV	CK	EYEVK	IGN	NO	QAMR	FAVEE	NN	SS	HP	VIL	GV	LV	OV	YI	NN	VR	VE	115	
rTIR2 1	MPQ	ART	CL	LS	ELVLAH	AE	NSD	MPED	HHGGUS	HANMGV	HNFLQV	CK	EYEVK	IGN	NO	QAMR	FAVEE	NN	SS	HP	VIL	GV	LV	OV	YI	NN	VR	VE	118	
hTIR3 1	MLGP	AG	IS	MA	HP	CTG	HLQIS	QOLRMK	CD	MGIGPPI	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	117
rTIR3 1	MPGL	AG	IS	MA	HP	CTG	HLQIS	QOLRMK	CD	MGIGPPI	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	EF	GH	117
mGLur1 1	MVRL	LI	FF	PM	I	EM	S	LAG	ASS	OS	VAR	MD	V	I	CA	ES	V	HO	PE	K	VE	---	---	---	---	---	---	---	---	123
hTIR1 120	SLH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	236
rTIR1 119	ALC	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	235
hTIR2 116	AHE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	231
rTIR2 119	AOD	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	235
hTIR3 118	AKG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	234
rTIR3 118	AKG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	234
mGLur1 124	RDSL	S	IR	DE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	252
hTIR1 237	ICIA	HE	GI	U	IF	S	NO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	354
rTIR1 236	ICIA	HE	GI	U	IF	S	NO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	353
hTIR2 232	ICIA	HE	GI	U	IF	S	NO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	355
rTIR2 236	ICIA	HE	GI	U	IF	S	NO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	359
hTIR3 235	ICIA	HE	GI	U	IF	S	NO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	355
rTIR3 235	ICIA	HE	GI	U	IF	S	NO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	355
mGLur1 253	ICIA	HE	GI	U	IF	S	NO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	373
hTIR1 355	G	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	466
rTIR1 354	G	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	465
hTIR2 356	S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	465
rTIR2 360	R	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	469
hTIR3 356	ERE	Q	LE	E	V	C	R	P	C	D	C	T	I	N	V	S	A	G	I	N	---	---	---	---	---	---	---	---	---	471
rTIR3 355	AEL	D	E	E	R	V	M	G	P	R	S	C	D	I	N	V	S	A	G	I	N	---	---	---	---	---	---	---	---	478
mGLur1 374	HR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	497

TO FIG. 1B

FIG. 1A

REPLACEMENT SHEET

FROM FIG. 1A



htIR1	467	GSTWSPVQININETKIQWQKINOVPSKVSSTICLCHQR	WVIGERHCCCEFCVQDAGTFIN-KSLLYRCORCKKEVAFPCSCCTCCEP	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	594
rTIR1	466	GSASLSPVHININETKIQWQKINNOVPSVUTTICLCHQR	WVIGERHCCCEFCVQDAGTFIN-KSLLYRCORCKKEVAFPCSCCTCCEP	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	593
htIR2	466	ASYPLOQIKN-IOLISWHVNNITJHSMCKKFCSCGCK	KRVGTHCCCEFCVQDAGTFIN-KSLLYRCORCKKEVAFPCSCCTCCEP	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	593
rTIR2	470	ASYSPTSKRUTY-INNVSWYTRNNITJHSMCKKFCSCGCK	KRVGTHCCCEFCVQDAGTFIN-KSLLYRCORCKKEVAFPCSCCTCCEP	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	597
htIR3	472	GRFN-GSLRTER--IKJFWHTSDNQPVSRCSRCQCGQVR	RVKGRHSCCYICVDVAGSVRO-NHDDIATCTCCQDIESPERS	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	596
rTIR3	479	GTIN-GTIOLOH--SLWYINEG-NOVPVSCSRCKKCGQVR	RVKGRHSCCYICVDVAGSVRO-NHDDIATCTCCQDIESPERS	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	601
mGluR1	498	ETWH--EGVINDDYKIQWQK--SGMVRVSVCSEFEIKGGIVIRKGEVSCGMWCTACKENEHVO---	DEFIQRADQDLGWPNAELTCCGCTHVRVLEWSDTESIAIAFSQDQILVITFEVTIEFVLRD	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	620
htIR1	595	PWRSAGGHECFEMIGSINAGSGLYCHGHEPTRPACILIKOALFACETIHESCHTIRSEQLITIPKESIN	THAFAVONHCGGLEFM-ISSAACHITCOTIMVWTHIPA-REFORRHIMVMECTE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	722
rTIR1	594	PWRSAGGHECFEMIGSINAGSGLYCHGHEPTRPACILIKOALFACETIHESCHTIRSEQLITIPKESIN	THAFAVONHCGGLEFM-ISSAACHITCOTIMVWTHIPA-REFORRHIMVMECTE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	721
htIR2	594	HIVRSAGGHECFEMIGSINAGSGLYCHGHEPTRPACILIKOALFACETIHESCHTIRSEQLITIPKESIN	THAFAVONHCGGLEFM-ISSAACHITCOTIMVWTHIPA-REFORRHIMVMECTE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	722
rTIR2	598	HIVRSAGGHECFEMIGSINAGSGLYCHGHEPTRPACILIKOALFACETIHESCHTIRSEQLITIPKESIN	THAFAVONHCGGLEFM-ISSAACHITCOTIMVWTHIPA-REFORRHIMVMECTE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	726
htIR3	597	HIVRSAGGHECFEMIGSINAGSGLYCHGHEPTRPACILIKOALFACETIHESCHTIRSEQLITIPKESIN	THAFAVONHCGGLEFM-ISSAACHITCOTIMVWTHIPA-REFORRHIMVMECTE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	724
rTIR3	602	HIVRSAGGHECFEMIGSINAGSGLYCHGHEPTRPACILIKOALFACETIHESCHTIRSEQLITIPKESIN	THAFAVONHCGGLEFM-ISSAACHITCOTIMVWTHIPA-REFORRHIMVMECTE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	729
mGluR1	621	PWRSAGGHECFEMIGSINAGSGLYCHGHEPTRPACILIKOALFACETIHESCHTIRSEQLITIPKESIN	THAFAVONHCGGLEFM-ISSAACHITCOTIMVWTHIPA-REFORRHIMVMECTE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	748
htIR1	723	TSISGHTIFELVNGUISISNAFACSYLECKUDHEINVEANQVETESILHNVSWITRHTTASVULGKNI	IPANVNAQISSISSGFCGVFEIPKCVITICHHEJENSTHFOASFOITFRCGST	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	841
rTIR1	722	VSIGGHTIFELVNGUISISNAFACSYLECKUDHEINVEANQVETESILHNVSWITRHTTASVULGKNI	IPANVNAQISSISSGFCGVFEIPKCVITICHHEJENSTHFOASFOITFRCGST	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	840
htIR2	723	NYRSLIFNTSLDILHSVWCPSRANNGKEHPTINVEANHTISWTEYFSSVSQCTENSAGGVIVITVDIIVTIN	LIHATISIGVHCPCGMETFPBRYTPAVNSMFOGYMRRD	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	839
rTIR2	727	NYRSLIFNTSLDILHSVWCPSRANNGKEHPTINVEANHTISWTEYFSSVSQCTENSAGGVIVITVDIIVTIN	LIHATISIGVHCPCGMETFPBRYTPAVNSMFOGYMRRD	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	843
htIR3	725	RSWISGCIHATNATIAHICLCTFIVRSQCHVYRQCITHTMIAYRTINVSFVILLANQVUPHAPQCHILICV	CHIAAFHIFRCILLMRQHGANTHEHLLGGGQDAGQNDGN-TGNQCKHE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	852
rTIR3	730	RSWISGCIHATNATIAHICLCTFIVRSQCHVYRQCITHTMIAYRTINVSFVILLANQVUPHAPQCHILICV	CHIAAFHIFRCILLMRQHGANTHEHLLGGGQDAGQNDGN-TGNQCKHE	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	858
mGluR1	749	SN-IQVAPVGVNGDILHNSCTVYAHKTRNVNANVEANQVETESILHNVSWITRHTTASVULGKNI	IPANVNAQISSISSGFCGVFEIPKCVITICHHEJENSTHFOASFOITFRCGST	WVEALAHHTSNVILNANTINLHLLHLLCTAGTAHAWHLDI	845

FIG. 1B

REPLACEMENT SHEET

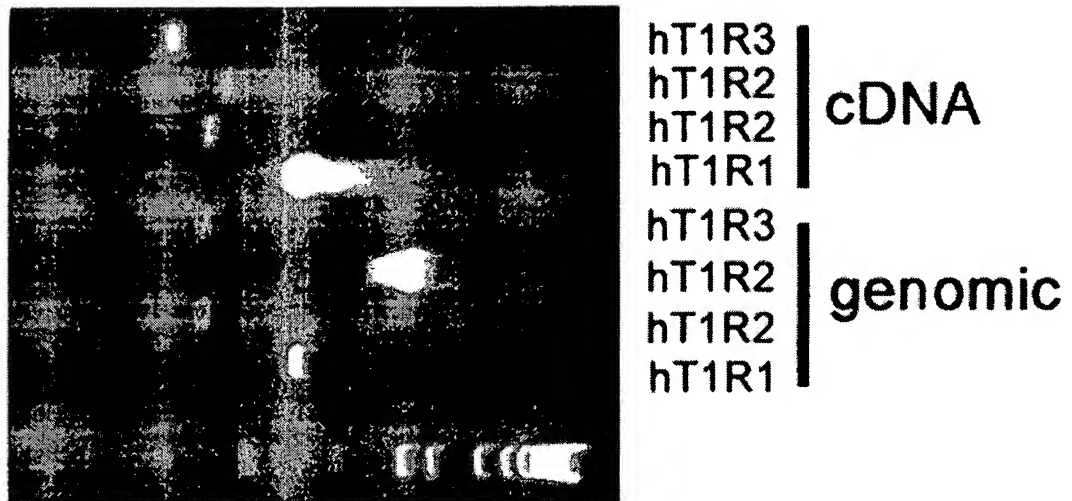


FIG. 2

# REPLACEMENT SHEET

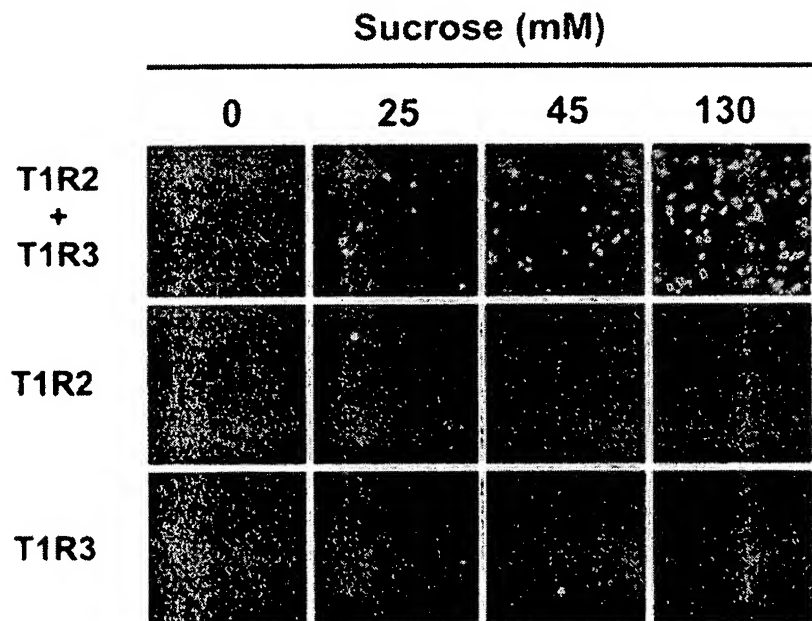


FIG. 3A

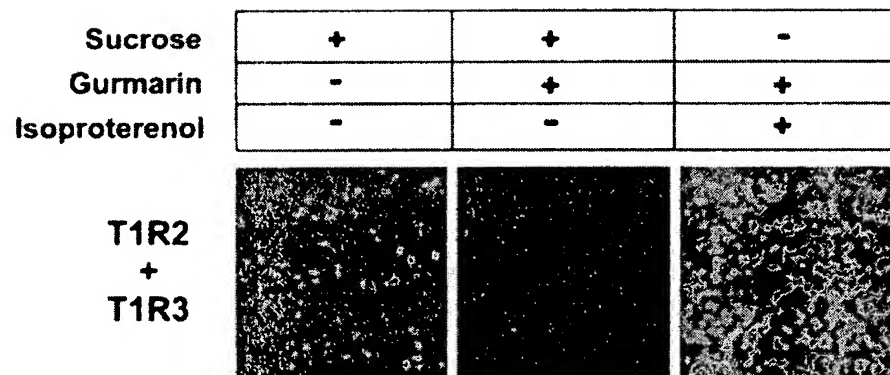


FIG. 3B

REPLACEMENT SHEET

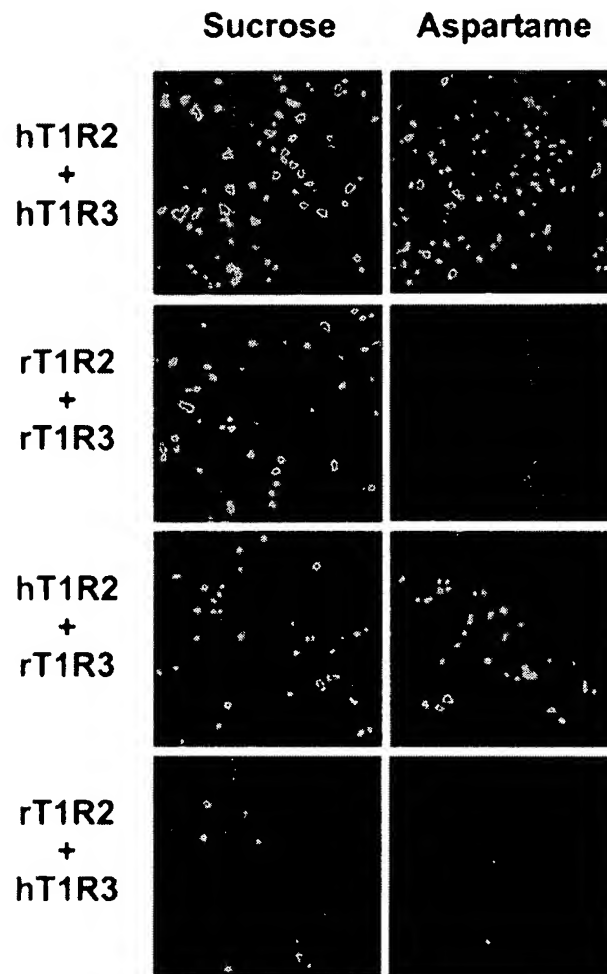


FIG. 4

# REPLACEMENT SHEET

## NORMALIZED DOSE-RESPONSE CURVE

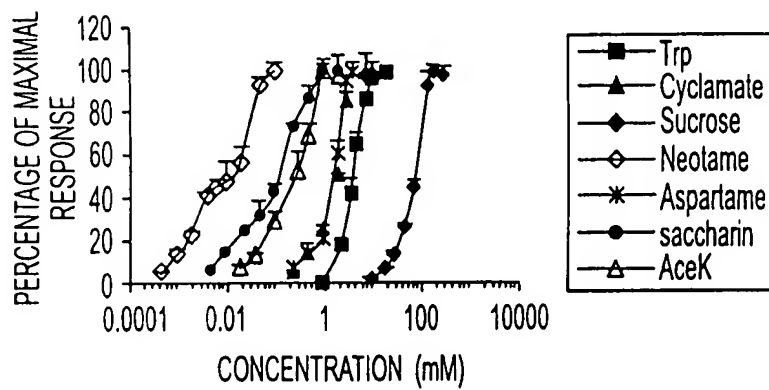


FIG. 6

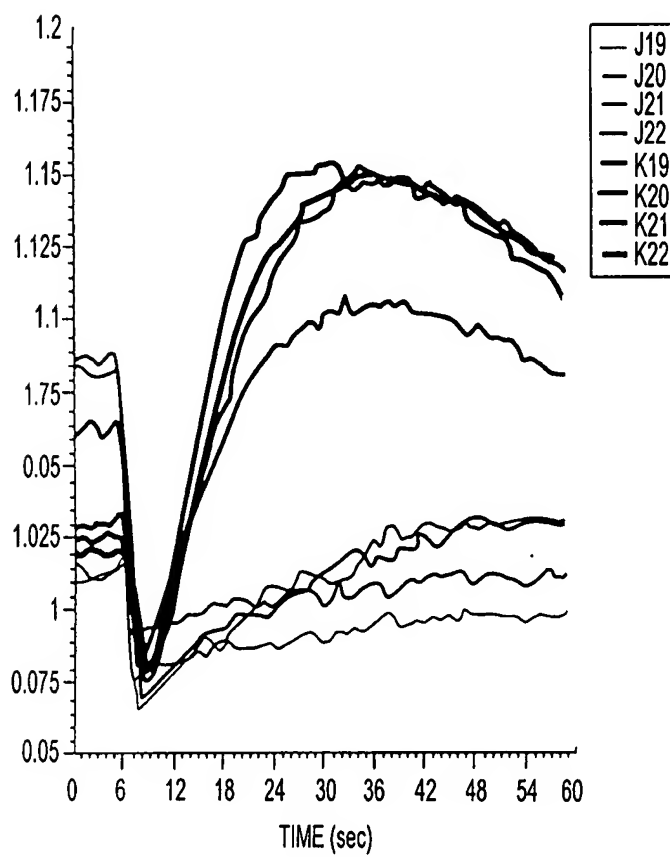


FIG. 5

REPLACEMENT SHEET

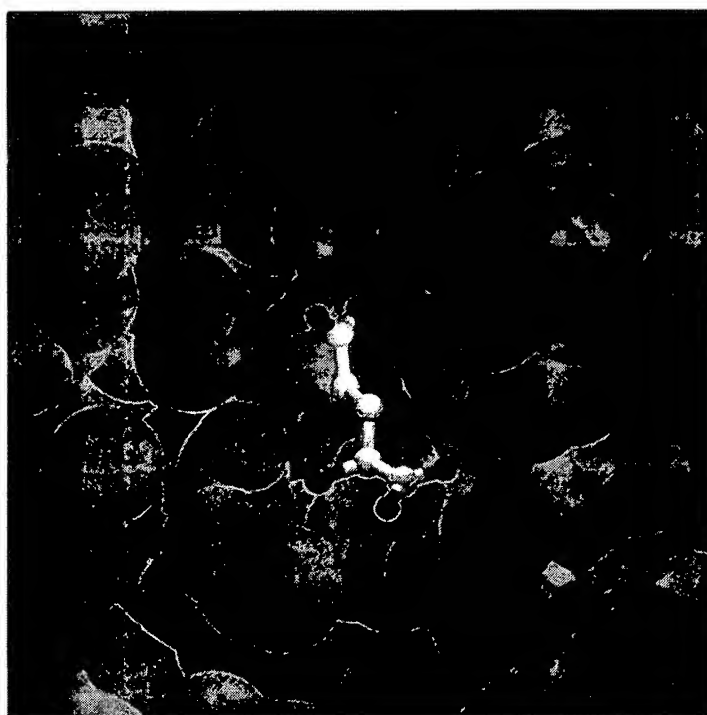
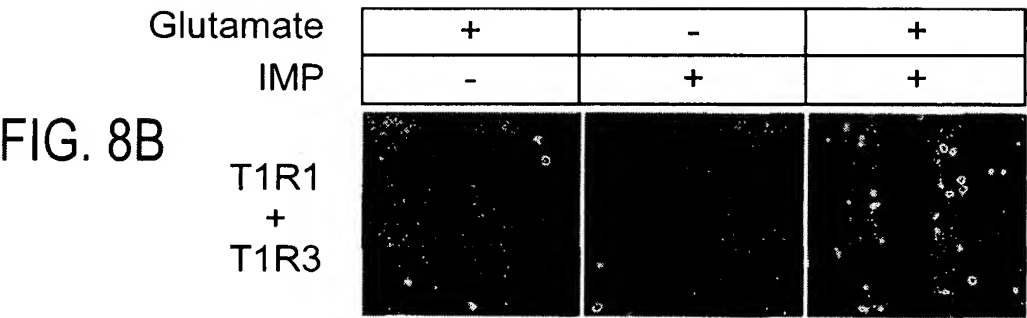
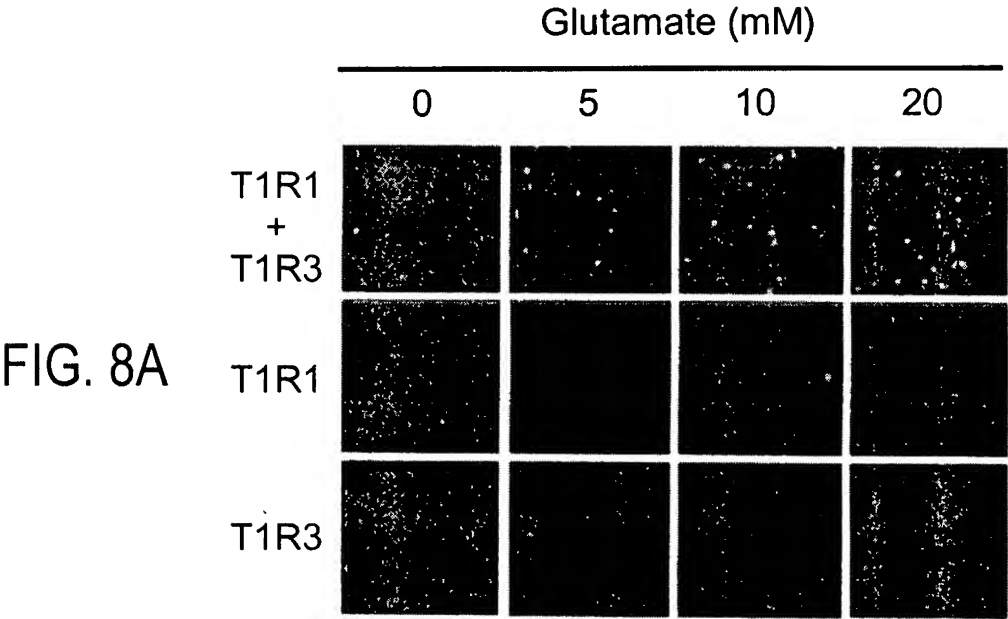


FIG. 7

REPLACEMENT SHEET





# REPLACEMENT SHEET

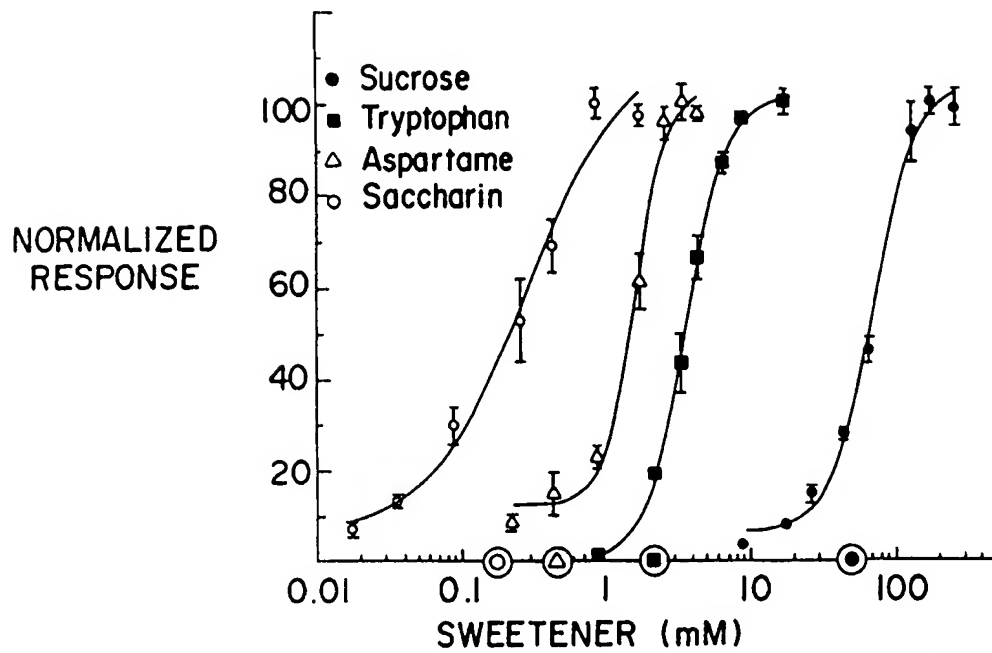


FIG. 3C

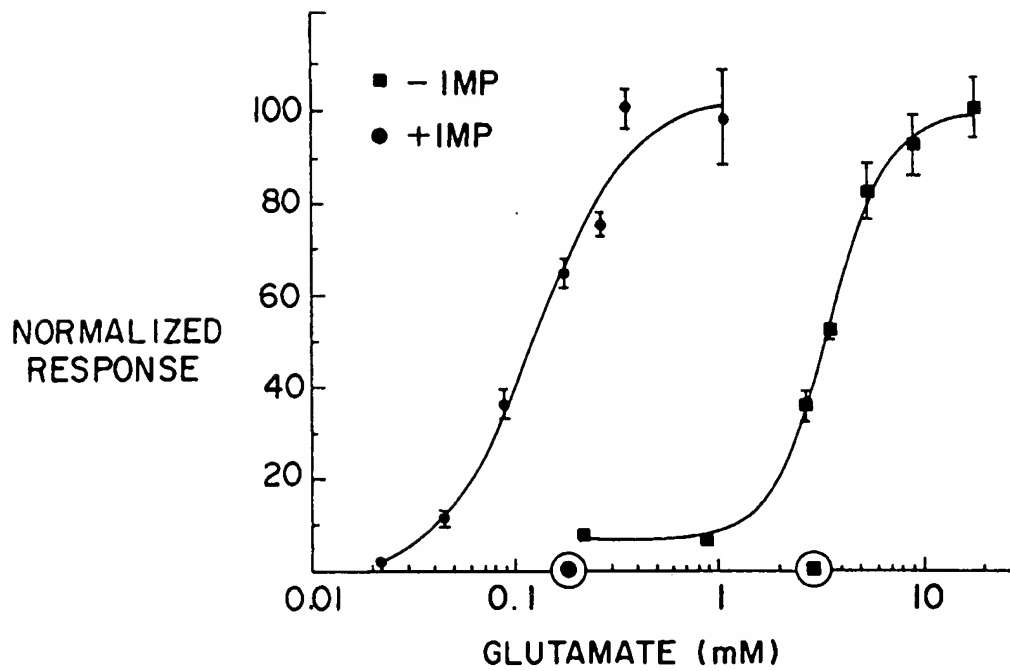
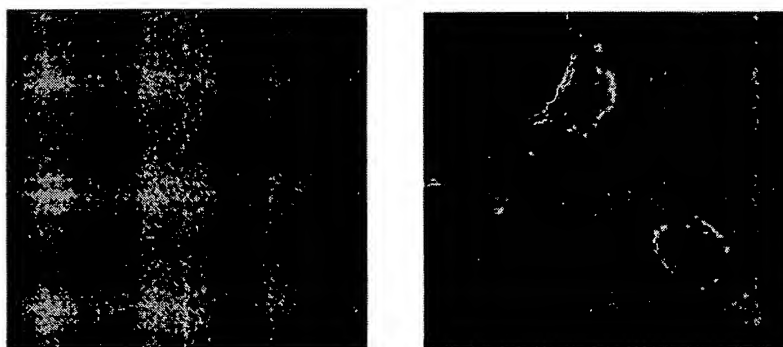


FIG. 8C

REPLACEMENT SHEET



**H2-IT-Myc**

**H2-PDZIP-IT-Myc**

FIG. 9A

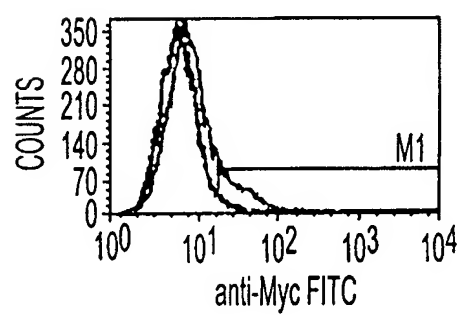


FIG. 9B

REPLACEMENT SHEET

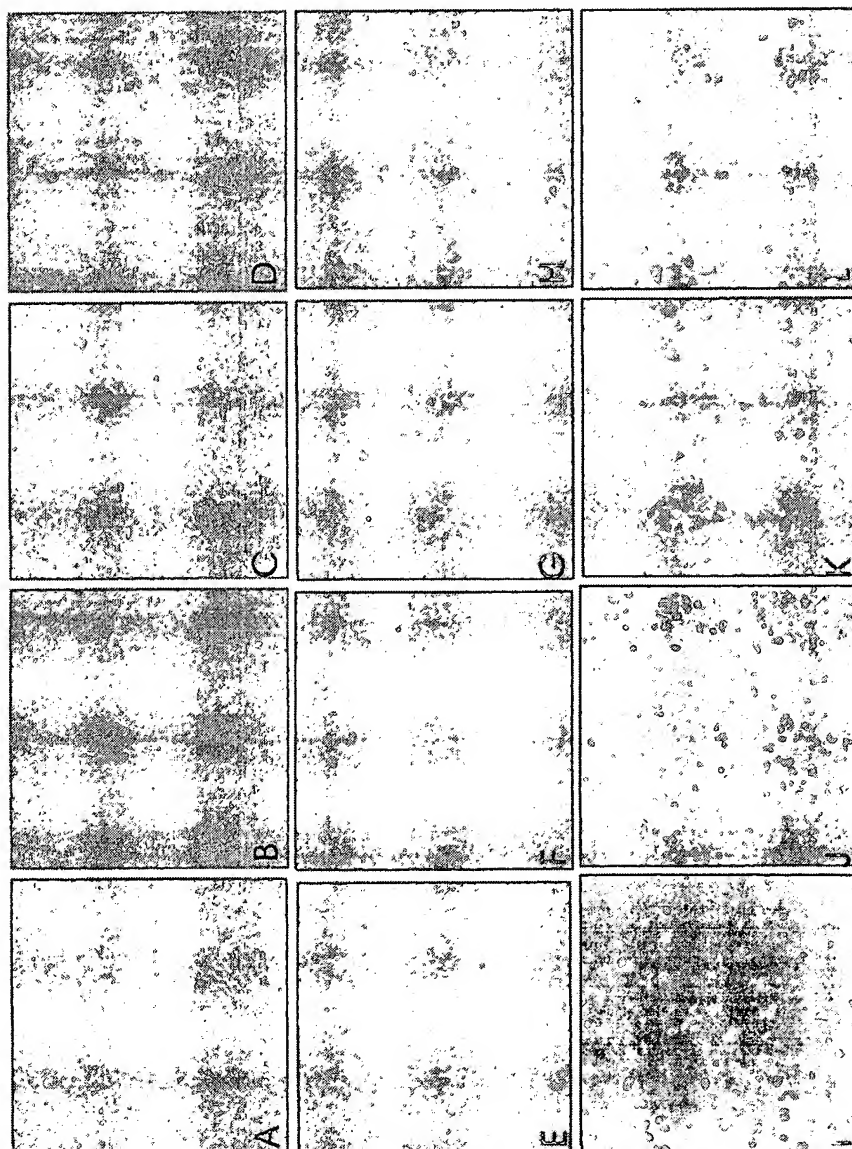


FIG. 10

# REPLACEMENT SHEET

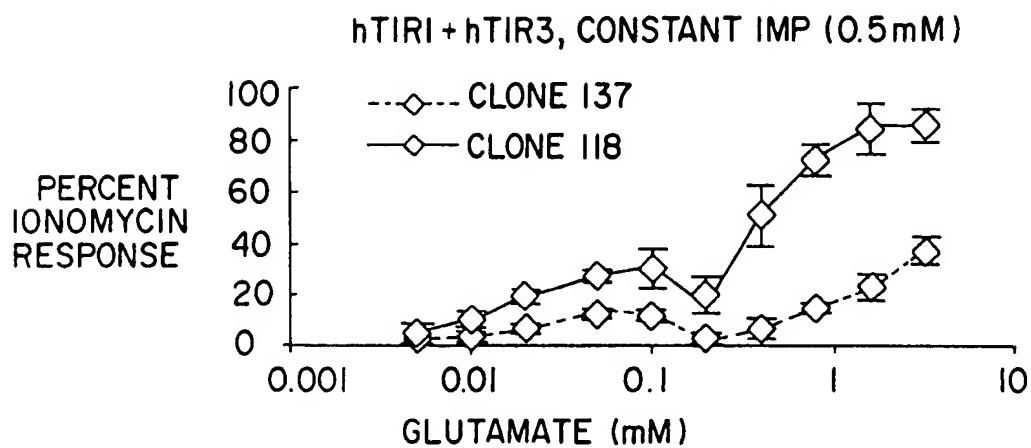


FIG. 11

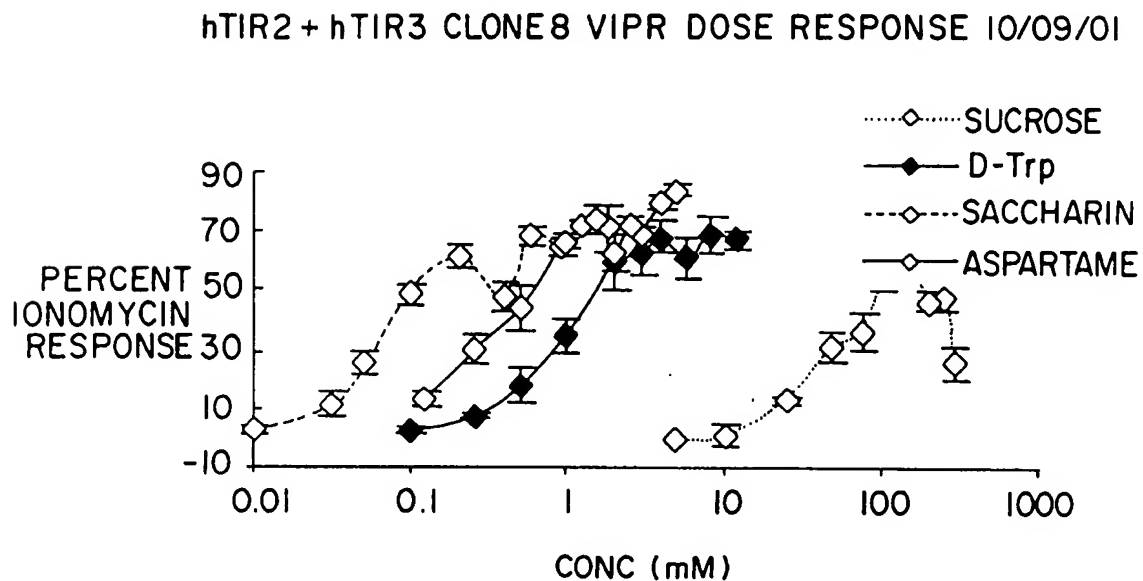


FIG. 12

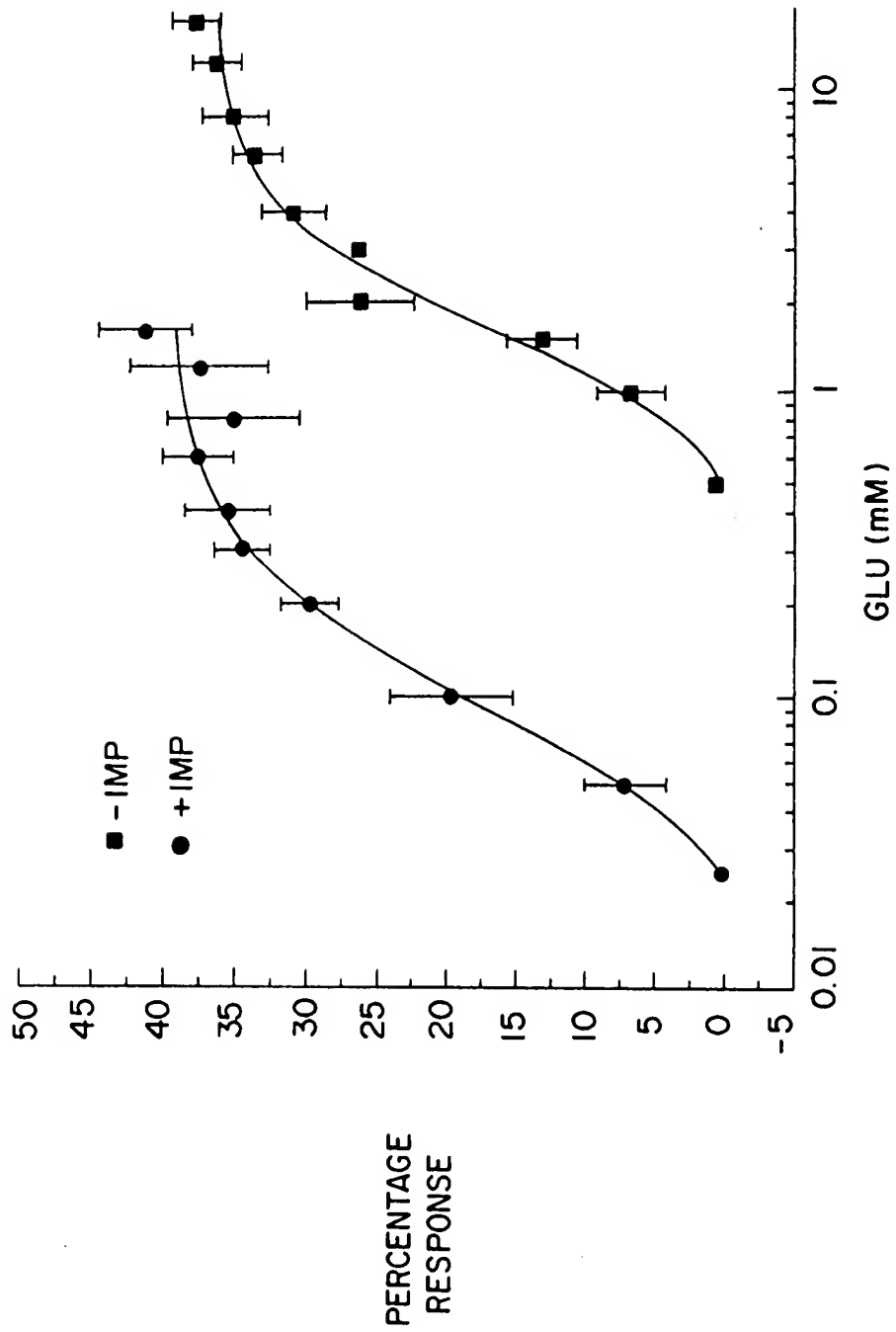


FIG. 13

# REPLACEMENT SHEET

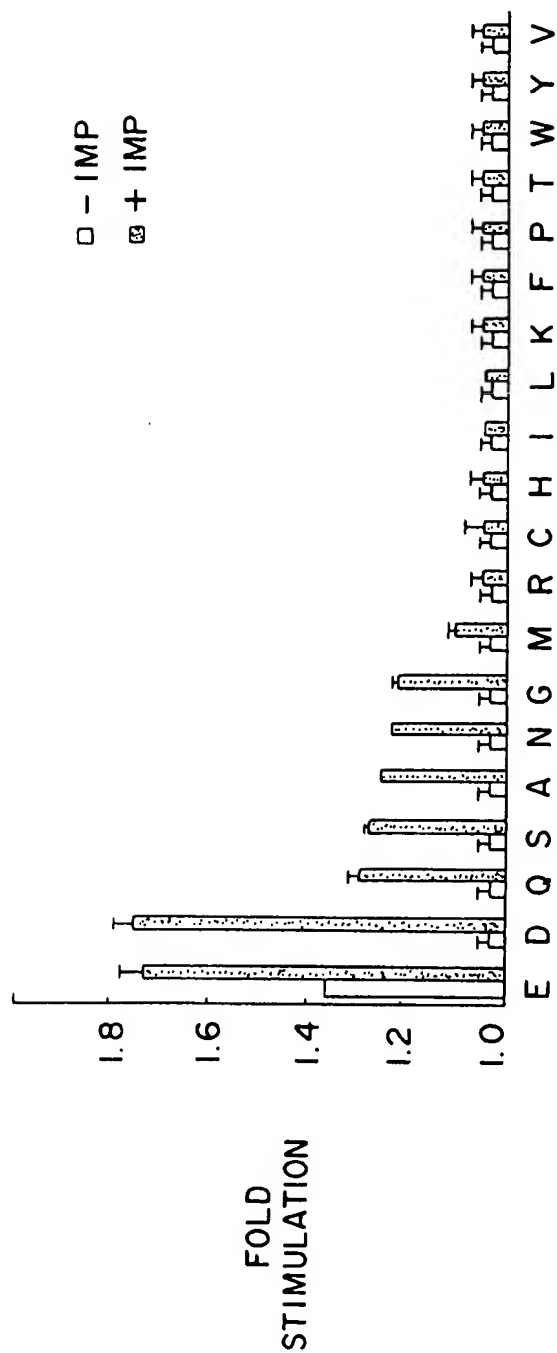


FIG. 14

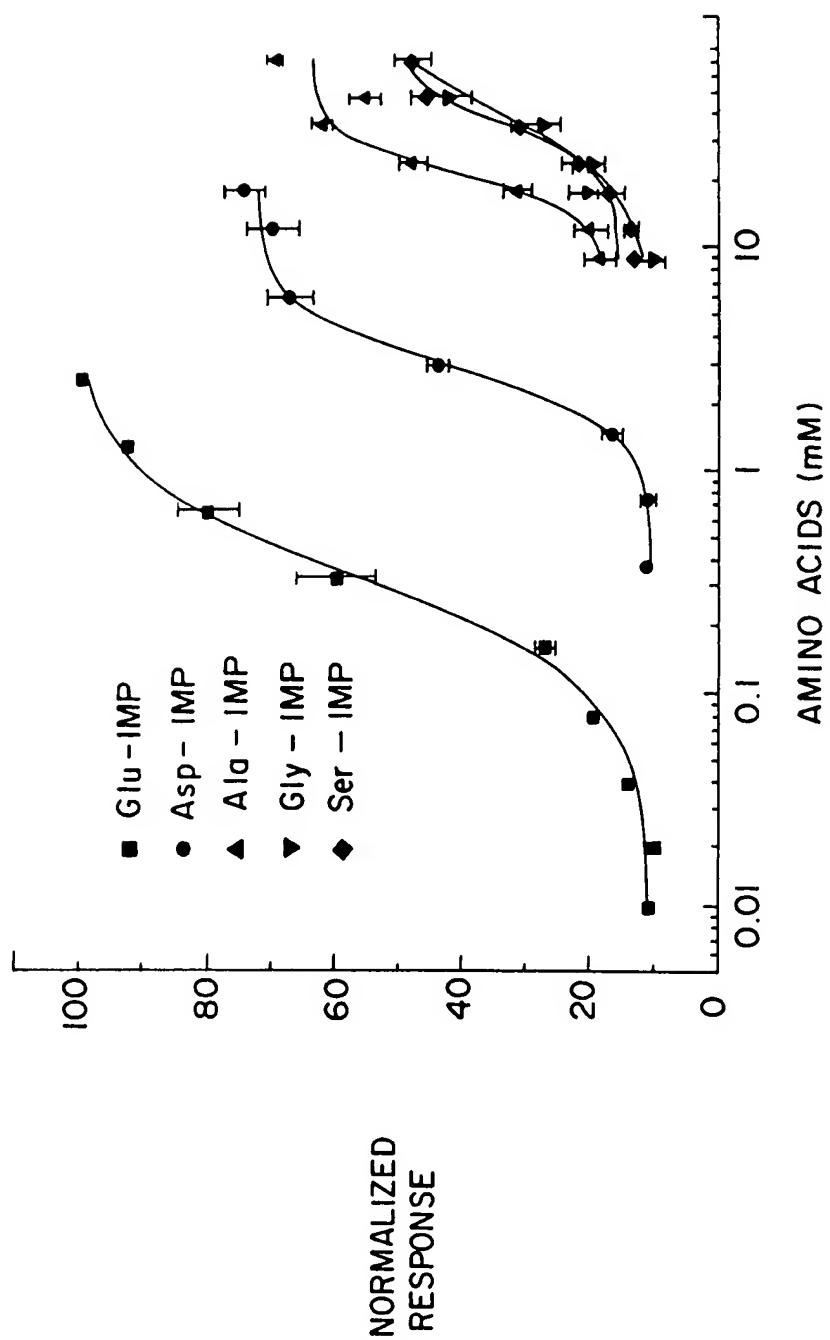


FIG. 15

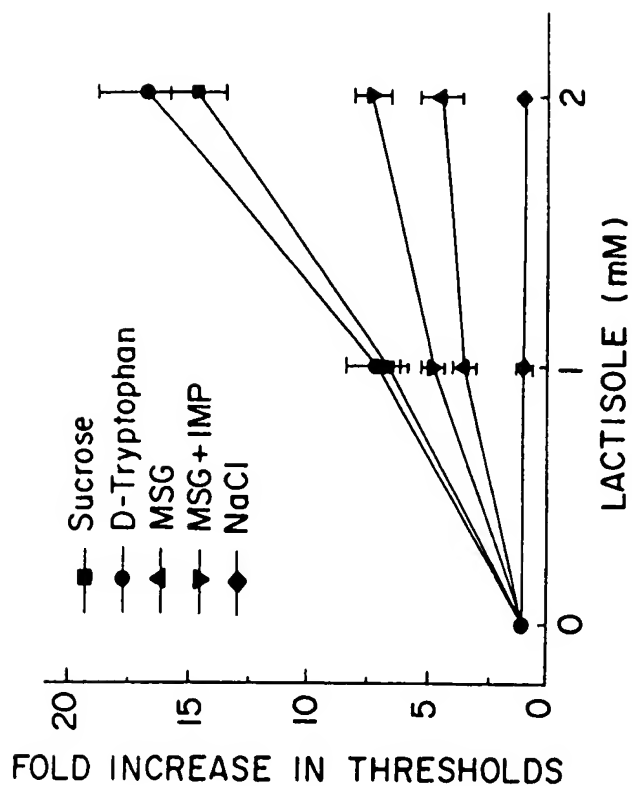


FIG. 16B

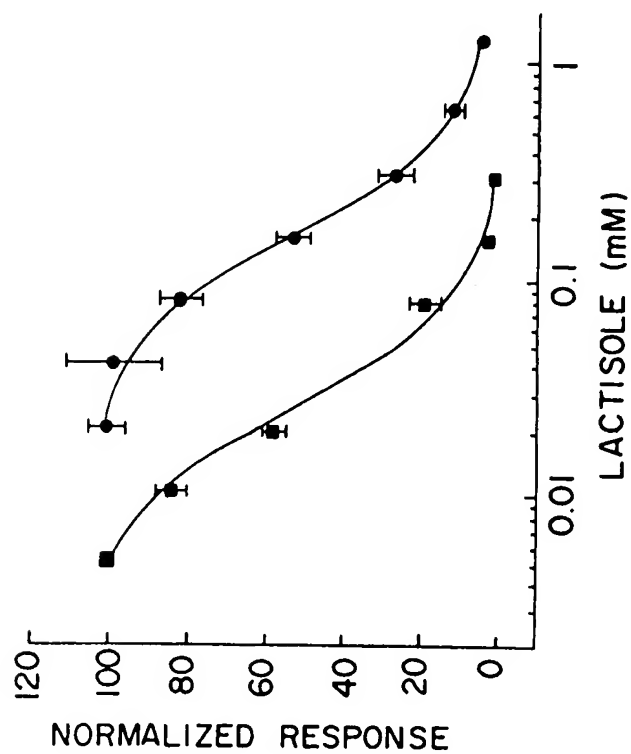


FIG. 16A